

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237630004-5

KOZYREV, Yevgeny Mikhaylovich

Infrared satellite imagery of the area around
Kozhevnikovka, Russia.

1. View from the west.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237630004-5"

KOZYREVA, Ye.F.; YUKEL'SON, I.I.; NUZHDINA, Yu.A.

Optical properties of arylenealkyl polymers. Part 1: Electron absorption spectra. Vysokom. soed. 5 no.9:1360-1366 S '63. (MIRA 17:1)

1. Voronezhskiy tekhnologicheskiy institut.

S/0190/64/006/006/0975/0980

ACCESSION NR: APL040476

AUTHORS: Kozyrev, Ye. F.; Nuzhdina, Yu. A.

TITLE: Infrared absorption spectra of polyphenylenethylene

SOURCE: Vysokomolekulyarnye soyedineniya, v. 6, no. 6, 1964, 975-980

TOPIC TAGS: arylalkyl polymer, polyarlyenalkyl absorption spectrum, polyphenylenethylene absorption spectrum, infrared polyphenylenethylene spectrum, aromatic bond, methylene group, deformation frequency, spectrometer IKS12

ABSTRACT: Polyphenylenethylene (PPE) of molecular weight 1350 was studied with an IKS-12 spectrometer. In the 2800-3100 cm^{-1} region it was possible to identify (at 3100 cm^{-1}) the intense absorption bands corresponding to the valence frequencies of the C-H bonds of the aromatic ring. The intensity of the band at 3026 cm^{-1} did not undergo significant changes when solutions of PPE in carbon tetrachloride were substituted for the original viscous oily PPE, while the band at 3083 cm^{-1} shifted toward a lower frequency. The region of intense valence frequencies of the C-H bonds of the methylene groups was located at 2950-2800 cm^{-1} . The PPE spectra within the 700-860 cm^{-1} region were similar to the spectra of para-substituted benzenes.

Card 1/2

ACCESSION NR: AP4040476

In the region of weak bands at 1125-1090 cm^{-1} the deformation frequencies of the aromatic C-H bonds were noncharacteristic and were presumably veiled by more intensive frequencies of the benzene ring and of the methylene groups. It was impossible to identify the bands at frequencies of 887.8 and 901.8 cm^{-1} , while the band at 998.3 cm^{-1} was related to the fully symmetric frequencies of the benzene ring in basic state. The deformation frequencies of hydrogen in the spectrum of benzene were represented by bands at 1178 and 1033 cm^{-1} . Orig. art. has: 2 tables and 3 graphs.

ASSOCIATION: Voronezhskiy tekhnologicheskiy institut (Voronezh Technological Institute)

SUBMITTED: 04Apr63

DATE ACQ: 06Jul64

ENCL: 00

SUB CODE: GC

NO REF Sov: 005

OTHER: 006

Card 2/2

NUZHDOV, F. I.

USSR/Chemistry - Spray drying

FD-509

Card 1/1 : Pub. 50-8/23

Author : Nuzhdov, F. I.

Title : The calculation of sprayer installations of the disc type

Periodical : Khim. prom., 290-295 (34-39), Jul/Aug 1954.

Abstract : On the basis of experimental work done by him at the Physico-Chemical Institute imeni Karpov, the author discusses in detail theoretical aspects and engineering characteristics of spraying installations equipped with open rotating discs and used in the drying of viscous suspensions. Seven graphs, 3 figures.

Institution : Moscow Institute of Chemical Machine Building.

Submitted :

NUZHIN, M. I.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.)
Moscow,
Jun-Jul '56, Trudy '56, v. 1, Sect. Rpts. Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.
Nuzhin, M. I. (Kazan') and G. G. Tumashev (Kazan'). Inverse
Boundary Problems and Their Application in Mechanics. 208-209

Petrashev', G. I. (Leningrad). On the Investigation of
Non-stationary Interference Phenomena in Media With
Thin Layers. 209

Piskunov, N. S. (Moscow). On Some Problems of Underground
Hydromechanics Leading to Boundary Problems of Partial
Differential With Variable Domains. 209-210

Rvachev, V. L. (Osipenko). Design of Infinite Beams
on Elastic Half-space. 210

Mention is made of Proktor, G. E. and Gorbunov-Posadov, M. I.

Rogozhin, V. S. (Rostov-na-Donu). Sufficient Conditions
for Univalence of Solution of Hydromechanics Inverse
Boundary Problems. 210-211

Card 70/80

NUZHIN, M.T.

33901. O Nyekotorikh Cbratnykh Krayevikh Zadachakh I Ikh Primenenii, K Opredelyeniyu Formi Syechyeniya Skruchivayemikh Styerzhnyey. Uchyen. Zapiski, Kazansk. Gos. Un-ta Im. Lyenina, T. CIX. KN 1, 1949, C. 97-120.

SC: Letopis' Zhurnal'nykh Statey, Vol. 46, Moskva, 1949.

NUZHIN, M.T.

Individual cases of reverse boundary problems. Uch. zap. Kaz. un.
(MIR 10:6)
113 no. 10:3-8 '53.

I. Nauchno-issledovatel'skiy institut matematiki i mehaniki im.
N.G. Chebotareva pri Kazanskom gosudarstvennom universitete.
(Functional analysis)

NUZHIN, M. T.

Among the papers presented by the First All-Union Conference on Aerohydrodynamics (8-13 Dec 1952) convened by the Institute of Mechanics, Academy of Sciences USSR, was:

"Statement and Solution of the Problem of Determining the Form of an Underground Contour of the Hydraulic Engineering Structure" by Nuzhin, M. T.

SO: Izvestiya AN USSR, Otdeleniye Tekhnicheskikh Nauk, No. 6, Moscow,
June 1953, (W-30662, 12 July 1954)

NUŽIN, M.T.

Nužin, M. T. On the solution of some problems of filtration under pressure. Inžen. Sb. 18, 49-60 (1954).
(Russian)

Filtration under dams situated upon a porous medium over an impermeable layer is studied with the help of the Schwarz-Christoffel transformation. Several examples are given. Again, the author appears to have been anticipated by Polubarinova-Kochina. [Theory of motion of ground water. Gos'chizdat, Moscow-Leningrad, 1952, ch. 3, 6; MR 15, 71].

R. E. Gaskell (Seattle, Wash.).

1 - F/V
M

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for

NUZHIN, M. T.

USSR/Engineering - Hydraulics

Card : 1/1

Authors : Nuzhin, M. T.

Title : Statement and solution of reverse problems of pressure filtration

Periodical : Dokl. AN SSSR, 96, Ed. 4, 709 - 711, June 1954

Abstract : The article deals with the filtration of water under a head pressure and explains that when the form of the containing basin is so complicated as to preclude a solution of the problems of filtration by mathematical computation of the form of the basin by the rate of filtration. Algebraic formulas are presented for such calculations. It is also shown how the auxiliary function of Dirichlet can be applied to reverse problem. Four Russian references, latest 1952.

Institution : ...

Presented by: Academician A. I. Nekrasov, March 7, 1954

NUZHIN, M.T. (Kazan')

Theory and application of reversed boundary problems. Uch.zap.
Kaz.un. 115 no.10:24-28 '55. (MLRA 10:5)
(Mathematical physics)
(Differential equations, Partial)

SOV/124-57-5-5133

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 5 (USSR)

AUTHORS: Nuzhin, M. T., Turnashev, G. G.

TITLE: Inverse Boundary Problems and Their Application to Mechanics
(Obratnyye krayevyye zadachi i ikh prilozheniya v mekhanike)

PERIODICAL: Tr. 3-go Vses. matem. s"yezda. Vol I, Moscow, AN SSSR, 1956,
pp 208-209

ABSTRACT: Ref.: RZhMekh, 1956, abstract 5885

Card 1/1

NUZHIN, M.T.; TUMASHEV, G.G. (Kazan')

"Inverse boundary value problems and their applications in fluid mechanics"

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics,
Moscow 29 Jan - 5 Feb 64.

LAVROV, M.I.; NUZHIN, M.T., prof., otv.red.; MARKOV, M.V., prof., red.; DUBYAGO, A.D., prof., red.; ARBUZOV, A.Ye., akademik, red.; NORDEN, A.P., prof., red.; PIS'REV, V.I., prof., red.; TIKHVINSKAYA, Ye.I., prof., red.; FARYSHNIKOV, V.G., dotsent red.; KOLESNIKOVA, Ye. A., dotsent, red.; KOLOBOV, N.V., starshiy prepodavatel', red.; MOROZOV, D.G., dotsent, red.;

[Some statistical regularities of variable stars and their physical interpretation]. Nekotorye statisticheskie zakonomerr ti u zatmennykh peremennykh zvezd i ikh fizicheskoe istolkovani'e. Kazan', 1955. 63 p. (Kazan. Universitet. Astronomicheskaia observatoriia. Biulleten', no. 31) (MIRA 15:10)

1. Rektor Kazanskogo ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta im. V.I.Ul'yanova-Lenina (for Nuzhin).
2. Prekrator po nauchnoy rabote Kazanskogo ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta im. V.I.Ul'yanova-Lenina (for Markov).

LAVROV, M.I.; NUZHIN, M.T., prof., ovt.red.; MARKOV, M.V., prof., red.; DUB'AGO, A.D., prof., red.; ARBUZOV, A.Ye., akademik, red.; NORDEN, A.P., prof., red.; PIS'REV, V.I., prof., red.; TIKHVINSKAYA, Ye.I., prof., red.; FARYSHNIKOV, V.G., dotsent red.; KOLESNIKOVA, Ye. A., dotsent, red.; KOLOBOV, N.V., starshiy prepodavatel', red.; MOROZOV, D.G., dotsent, red.;

[Some statistical regularities of variable stars and their physical interpretation]. Nekotorye statisticheskie zakonomernosti u zatmennykh peremennykh zvezd i ikh fizicheskaya istolkovanie. Kazan', 1955. 63 p. (Kazan. Universitet. Astronomicheskaya observatoriia. Biulleten', no. 31) (MIRA 15:10)

1. Rektor Kazanskogo ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta im. V.I.Ulyanova-Lenina (for Nuzhin). 2. Prorektor po nauchnoy rabote Kazanskogo ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta im. V.I.Ulyanova-Lenina (for Markov).

NUZHIN, Mikhail Tikhonovich; IL'INSKIY, Nikolay Borisovich; BYK,
T.N., red.; AKSENT'YEV, L.A., red.

[Methods for constructing the underground outline of
hydraulic structures; inverse boundary problems in flow
theory] Metody postroeniia podzemnogo kontura gidrotekhnicheskikh sooruzhenii; obratnye kraevye zadachi teorii
fil'tratsii. Kazan', Izd-vo Kazanskogo univ., 1963. 136 p.
(MIRA 17:11)

L 6708-65 EWT(d) IJP(c)/SSD/AFWL/AFTC(p)/ASD(a)-5/ESD(qs)/ESD(t)/RAEM(t)

ACCESSION NR: APL047311

S/0140/64/000/005/0069/0077

AUTHOR: Nuzhin, M. T. (Kazan) 48

TITLE: Inverse boundary problems for multiply connected regions

SOURCE: IVUZ. Matematika, no. 5, 1964, 69-77

TOPIC TAGS: conformal mapping, boundary problem

ABSTRACT: The author derives some necessary conditions for the solution of the interior inverse conformal mapping problem for a multiply connected region (to determine a conformal map which transforms certain given simple closed curves onto other given simple closed curves, and the inside of the former onto those of the latter, where the inverse mapping of boundaries is given). These problems are important in the construction of a system of profiles, hydrodynamic grids, and other applications. The exterior problem is treated similarly. The author considers cases where the boundary mapping has particularly simple form and certain conditions which sometimes occur in doubly connected regions. Orig. art. has: 24 formulas.

Card 1/2

L 6788-65
ACCESSION NR: AP4047311

ASSOCIATION: none

SUBMITTED: 23May64

SUB CODE: MA

NO REF Sov: 009

ENCL: 00

OTHER: 000

Card 2/2

NUZHIN, M.T. (Kazan')

Inverse problem for a steady-state electric (thermal) field.
Izv. vys. ucheb. zav.; mat. no. 6:134-136 '64. (MIRA 18:3)

NUZHIN, N.I. and DOZORTSEVA, R.L.

"Pecularity of formation of chromosome aberrations during irradiation of barley seeds in organic dormancy."

Report submitted to the 2nd Intl. Congress of Radiation research,
Harrogate/Yorkshire, Gt. Brit. 5-11 Aug 1962

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237630004-5

MUZHIN, P.G.

~~██████████~~ Annular drilling. Stan. i instr. 26 no.7:9-10 J1 '55.
(Drilling and boring) (MIRA 8:9)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237630004-5"

NUZHIN, S.F.

Aerodynamics of thin bodies at subcritical speeds. Trudy KAI
25:18-44 '51. (MIRA 10:7)
(Aerodynamics) (Integral equations)

Nuzhin, S.G.

Muzhin, S. G. Calculation of potential flow of an incom-
pressible fluid past an airfoil of arbitrary shape. Appl.
Math. Mech. [Akad. Nauk SSSR. Prikl. Mat. Mekh.] 11,
55-64 (1947). (Russian. English summary)

The approximate calculation of two-dimensional potential
flows around wing profiles of arbitrary shape has been
considered by various writers, for example, by von Mises,
von Kármán, Lavrentjeff, Theodorsen [Tech. Rep. Mat.
Adv. Comm. Aeronaut., no. 452 (1933)] and Warschawski
[Quart. Appl. Math. 3, 12-28 (1945); these Rev. 6, 207].
The author gives another approximate procedure for calculating
the coefficients of the mapping function. Convergence
is discussed and rapidity of convergence is illustrated in a
special case by a numerical example. D. C. Spencer.

Source: Mathematical Reviews. 1948, Vol 9, No. 2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237630004-5

NUZHIN, S.G.

~~Theory of a wing in plane parallel flow, Trudy KAI 20:16-46 '48.
(Airfoils)~~

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237630004-5"

NUZHIN, S.G.

Theory of flow past a wing profile at subcritical flow speed. Trudy
(MIRA 10:6)
KAI 23:31-52 '49.
(Airfoils)

~~NUZHIN~~

Theory of the interaction of the propeller and the airplane. Trudy
KAI 26:32-36 '52. (VINITA 10:6)
(Airplane Aerodynamics)

NUZHIN, S.G.; KISLEV, A.M.

Mapping potential incompressible fluid flow around arbitrary
shape wing profiles. Trudy KAI 26:37-56 '52. (MLRA 10:6)
(Airfoils) (Conformal mapping)

NUZHIN, S. G.

Among the papers presented by the First All-Union Conference on Aerohydrodynamics (8-13 Dec 1952) convened by the Institute of Mechanics, Academy of Sciences USSR, was:

"Calculation of Cascades in the Potential Flow of an Incompressible Liquid"
by Nuzhin, S. G.

SO: Izvestiya AN USSR, Otdeleniye Tekhnicheskikh Nauk, No. 6, Moscow,
June 1953, (W-30662, 12 July 1954)

SOV/124-59-10-11506

Translation from: Referativnyy zhurnal, Mekhanika, 1959, No. 10, p. 66 (USSR)

AUTHOR: Nuzhin, S. G.

TITLE: Calculation of Circulation Distribution Along the Wing Span

PERIODICAL: Tr. Kazansk. aviat. in-ta, 1953, Vol. 27, pp. 13-22

TEXT: A simple method for determining the circulation distribution along the wing span in a subsonic flow is presented. The method is based on the substitution of a rectilinear carrier vortex of variable intensity and a shroud of free vortices, directed along the velocity of unperturbed flow, instead of the wing. The circulation is represented as a function of the wing span coordinate in the form of an ordinary trigonometric series with unknown coefficients. The basic equation for determining the coefficients of this series is established for a wing cross section, the aerodynamic characteristics of which are assumed to be known. The series coefficients for circulation are represented as sums of two terms; the former of these characterizes the deviation of the circulation distribution from the elliptic law and depends only on the wing configuration in the plane; the latter characterizes the

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Card 1/2

SOV/124-59-10-11506

Calculation of Circulation Distribution Along the Wing Span

additional circulation caused by the geometric and aerodynamic wing twist. The determination of these coefficients is reduced to the solution of a system of linear algebraic equations by iteration. The sequence of steps in determination of the desired coefficients is described in detail, in particular in case of symmetric and asymmetric twist distribution. The comparison with a test is added for one wing having the taper equal to 3, the wing aspect ratio equal to 6, and wash-in equal to 6°.

B. N. Korchagin

✓C

Card 2/2

NUZHIN, S.G.

Plotting gas flow past bodies at high subsonic speeds. Trudy KAI 27:
122-127 '53.
(Aerodynamics) (MLRA 10:6)

Nuzhin, S. G.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Nuzhin, S. G.	Collection of works on theory of wings	Kazan' Aviation Institute

SO: W-30604, 7 July 1954

NUZHIN, S.G.

Designing wing profiles using chord graphs for pressure distribution.
Trudy KAI 28:7-27 '54. (MIRA 10:6)
(Airplanes--Wings) (Conformal mapping)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237630004-5

NUZHIN, S.O.

Theory of thin wing profiles. Trudy KAI 28:28-32 '54. (NLR 10:6)
(Airfoils--Wings)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237630004-5"

NUZHIN, S.G.

Nuzin, S. G. On the flow of a gas at high subsonic velocities about grids. Kazan. Aviac. Inst. Trudy 29 (1955), 3-7. (Russian)

In a previous paper [Prikl. Mat. Meh. 10 (1946), 657-666; MR 8, 417], the author presented an approximate method for computing subsonic flows past a profile, the heuristic idea being that the mass flow vector of a compressible flow can be interpreted as the velocity vector of a certain rotational flow of an incompressible fluid. In the present paper this method is applied to the flow about a grid of profiles.

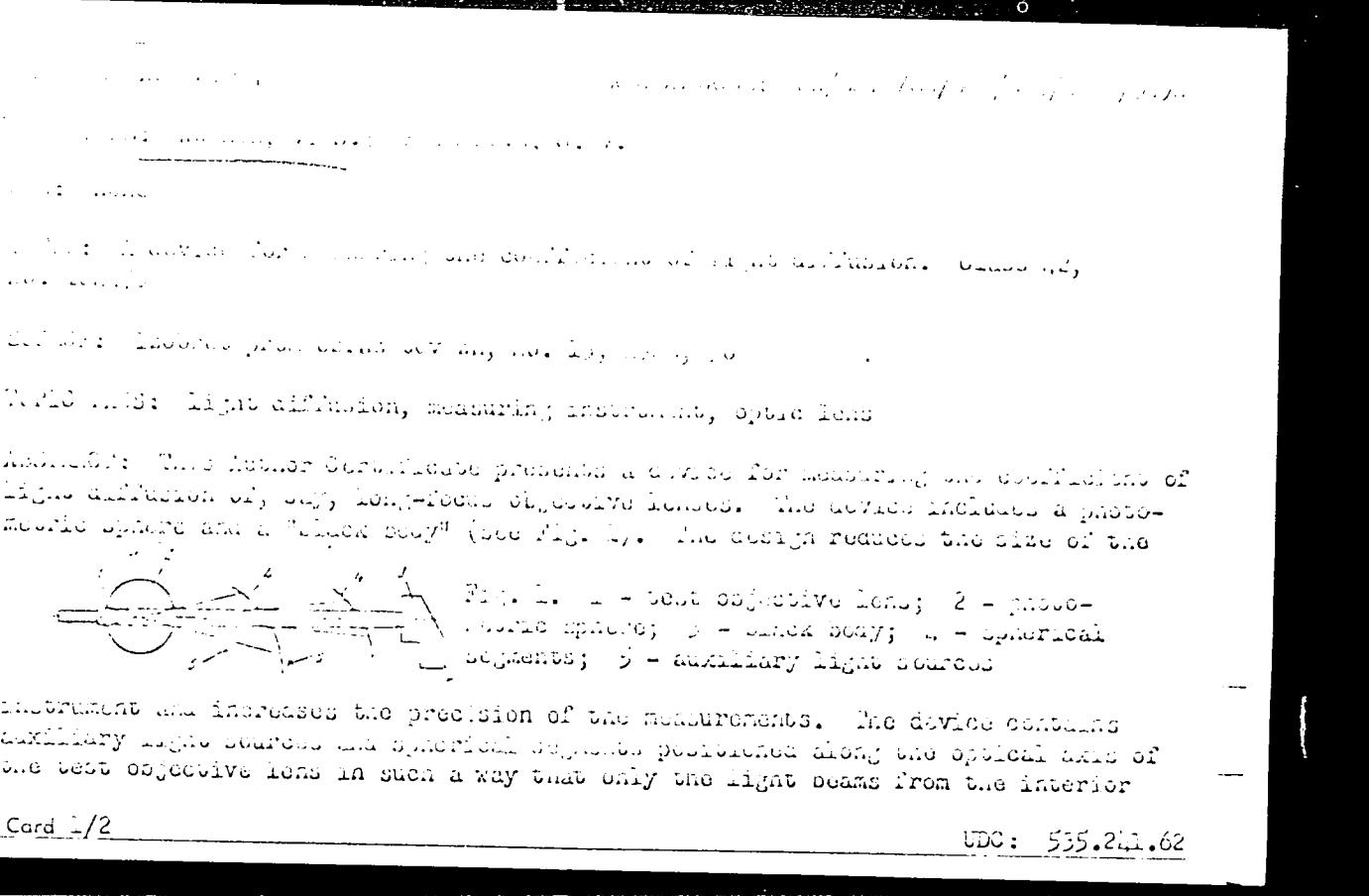
L. Bers (New York, N.Y.).

1-FW

RHA
MT

ELZI, S.G.

Calculating cascades in a potential noncompressible fluid flow.
Trudy KAI 44:45-55 '59. (I.A 14:2)
(Fluid dynamics)



• 11 16003-37

ACC NR: 1P6029937

surface of the segments and from the "black body" fall on the entrance aperture of the test objective lens. The auxiliary light sources are located at the center of curvature of the segments. Orig. art. has: 1 figure.

SSS CODE: 11, 20/ SUBM DATE: 24May65

NUZHIN, Yu.S. [Nuzhyn, Iu.S.]

Drugstores in Ternopol' Province in the past 25 years. Farmatsev.
zhur. 19 no.4:85-88 '64. (MIRA 7:11)

1. Apteknoye upravleniye Ternopol'skogo oblastnogo otdela zdravookhraneniya.

TURKEVICH, M.M. [Turkevich, M.M.] ; PINYAZHKO, R.V. ; MIKHAILOV, YU.S. ; (Nauchnoe izdatelstvo
GNIETUA, L.R. [Naukodetskij izd.])

Inter-Province Scientific Conference in Ternopol'. Perspektiv. 1981.
19 no. 4372-81. Issledovaniya po voprosam selenizatsii i vodoprovoda.

Izdatel'stvo i Ternopolskoye otdeleniye Nauchnogo farmatsiicheskogo obshchestva.

BELYAYEVA, M.I.; KYUNE, M.F.; MUZHIN' A.M.: Prinimalnaya uchastiyu:
RYAZANTSEVA, I.N., studentka IV kursa

Effect of bacterial 'oxyribonucleic acid release on Ehrlich ascitis tumor
cells in in vitro experiments. Vopr. onk. 9 no.4:79-85 '63.
(MIRA 12:9)

1. Kazanskiy gosudarstvennyy universitet imeni Ul'yanova-Lenina.
Adres avtorov: Kazan', ulitsa Lenina, 18, Gosudarstvennyy
universitet.

NUZHINA, A.M.

Effect of doses of phenamine on the higher nervous activity and
establishment of the optimum dose for animals with different types
of the nervous system. Trudy Inst. vys. nerv. deiat. Ser. fiziol.
(MIRA 14:12)
6:308-317 '61.

1. Iz Laboratorii vysshey nervnoy deyatel'nosti zhivotnykh, zav. -
A.A.Pavlovskaya.
(PHENETHYLAMINE) (CONDITIONED RESPONSE)

NUZHINA, A.M.

Effect of optimum doses of phenamine on extintive inhibition.
Trudy Inst. vys. nerv. deiat. Ser. fiziol. 6:318-323 '61.

(MIRA 14:12)

1. Iz Laboratorii vysshey nervnoy deyatel'nosti zhivotnykh, zav. -
A.A.Pavlovskaya.

(PHENETHYLAMINE) (CONDITIONED RESPONSE)

BELYAYEVA, M.I.; NUZHINA, A.M.

Study of the action of bacterial desoxyribonucleases on Ehrlich
ascites carcinoma in experiments in vitro. Vop.onk. 8 no.8:62-
65 '62. (MIRA 15:9)

1. In laboratorii po izucheniyu zlokachestvennogo rosta pri
Nauchno-issledovatel'skom khimicheskem institute im. Butlerova.
(zav. - d-r biol.nauk M.I. Belyayeva) Kazanskogo gosudarst-
vennogo universiteta im. V.I. Ul'yanova-Lenina.
(DEOXYRIBONUCLEASE) (CANCER RESEARCH)

NUZHINA, T. S.

NUZHINA, T. S. "The Stability of Certain Cases of Movement of a Solid Body with a Single Fixed Point." Min Higher Education USSR. Kazan' Aviation Inst. Kazan', 1956.
(Dissertation for the Degree of Candidate in Technical Science)

So: Knizhnaya Letopis', No. 18, 1956,

NUZHINA, V.S., Cand Med Sci -- (diss) "Conjunctive ^{disorders} ~~functions of the~~ ^{and the} ~~functions~~ of stomach functions ~~in~~ bile-secreting apparatus of the liver ^{during} chronic appendicitis." Kazan' 1958, 13 pp.

including cover (Kazan' State Med Inst) 200 copies
(KL, 21-58, 93)

- 67 -

NUZHINA, V.S. (Kazan')

Associated disturbances of the function of the bile secreting
apparatus of the liver in chronic appendicitis. Report No.2.
Kaz.med.zhur. 41 no.1:116-117 Ja-F '60. (MIRA 13:6)
(APPENDICITIS) (LIVER--DISEASES)

NUZHKOVA, G. [Nuzhkova, H.]

A planter. Rab.i sial. 38 no.9:6-7 S '62. (MIRA 15:9)
(White Russia--Fruit culture)

FEDORENKO, I., agronom; MATVEIEV, S.; NUZHNAYA, A.; BISENGALIEV, K.

For those in the field. Sov.profsoiuzy 17 no.11:40 Je '61.
(MIRA 14:5)

1. Chlen rabochkoma Kalalskogo sovkhoza (for Matveyev). 2. Instruktor
Alma-Atinskogo oblsovprofa (for Nuzhanaya). 3. Neshtatnyy korrespondent
zhurnala "Sovetskiye profsoyuzy" (for Bisengaliyev).
(Kazakhstan--State farms)

NUZHENKO, A.

Guaranteed repair of consumer appliances and equipment.
P_rom. koop. 12 no.9:17 S '58. (MIRA 11:10)

1. Predsedatel' pravleniya arteli "Kiyevmetallobytremont," Kiyev.
(Household appliances---Maintenance and repair)

SERDECHNYY, M.; NUZHNEKO, A.; SHUBIN, P.

Central dispatching system for interurban trucking. Avt.transp.
41 no.4:15-17 Ap '63. (MIRA 16:5
(Ukraine--Transportation, Automotive-Freight

NUZHNYY, V.S.

Construction of gasoline plants. Stroi. truboprov. 10 no.1:20-21
Ja '65. (MIRA 18:4)

1. Stroitel'no-montazhnoye upravleniye No.44 tresta No.6 kombinata
Tatneftstroy, Al'met'yevsk.

28 (5)

AUTHORS:

Nuzhnov, A. G., Pokrovskaya, G. N.,
Rogel'berg, I. L.

s/032/60/026/01/048/052
B010/B001

TITLE:

On Testing Methods for Thermoelectrodes and Thermocouples
(On the Occasion of the Paper by A. N. Gordov and N. N. Ergardt,
Published in the Periodical "Zavodskaya laboratoriya", 1958,
Vol 24, Nr 12)

II

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol 26, Nr 1, p 121 (USSR)

ABSTRACT:

A number of authors (Ref 1) investigated the stability of thermocouples by means of two methods. One method determines the variation of the thermoelectric force of the thermoelectrodes depending on the temperature and the duration of the stay in the furnace. The second method determines the stability from the variation of the thermoelectric force due to different immersion depths of the thermocouple into the furnace. The authors mentioned in the title consider investigations of the variation of the thermoelectric force of the thermoelectrodes at any working conditions, as examinations "of stability". They consider examinations with unchanged position of the thermocouple as "examinations of the duration of application". Contrary to the authors

Card 1/2

On Testing Methods for Thermoelectrodes and Thermo- S/032/60/026/01/048/052
couples (On the Occasion of the Paper by A.N. Gordov B010/B001
and N. N. Ergardt Published in the Periodical
"Zavodskaya laboratoriya", 1958, Vol 24, Nr 12). II

mentioned in the title, the present authors assume that the latter examinations are to be considered criteria for the stability of the thermocouples since the majority of the thermocouples are used under stationary conditions. For this reason, only a small section of the paper by I. P. Zubov (Ref 1) (which was criticized in the paper mentioned in the title) and of the paper by Dal' (Ref 1) was devoted to the second method mentioned above. For the same reason, the stability of chromel-, alumel-, and koper wires is tested at strictly fixed position of the thermoelectrodes in the furnace at the present factory. There is 1 Soviet reference.

ASSOCIATION: Kamensk-Ural'skiy zavod po obrabotke tsvetnykh metallov (Kamensk-Ural'skiy Factory for the Working of Nonferrous Metals).
Gosudarstvennyy nauchno-issledovatel'skiy institut po obrabotke tsvetnykh metallov (State Scientific Research Institute for the Working of Nonferrous Metals)

Card 2/2

BRABETS, V.I.; NUZHNOV, A.G.

Production of nickel-base thermoelectrode wire. TSvet. met. 36 no.12:
67-69 D '63.
(MIRA 17:2)

L 23815-65 EMT(n)/EMP(w)/EPF(n)-2/EWA(d)/EPR/T/EMP(t)/EMP(b) Pad/Ps-4/Pu-4 IJP(c)
ACCESSION NR: AT4045671 JD/WW/HW/JG S/2680/84/000/022/0039/0051

AUTHOR: Agafonov, A. K.; Aleksakhin, I. A.; Pokrovskaya, G. N.; Puchkov, ⁷⁰ Bt/
B. I.; Rogel'berg, I. L.; Tarasova, T. F.; Nuzhnov, A.G. (Deceased)

TITLE: Thermoelectromotive force of binary solid solutions on a Ni-base

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut splavov i obrabotki tsvetnykh metallov. Trudy*, no. 22, 1984. Issledo-
vaniye splavov dlya termopar (Studying alloys for thermocouples), 39-61

TOPIC TAGS: thermoelectromotive property, binary solid solution, nickel,
aluminum, beryllium, cobalt, chromium, copper, iron, germanium, magnesium,
manganese, molybdenum, niobium, rhenium, silicon, tantalum, titanium, vana-
dium, tungsten, zirconium, oxidation resistance

ABSTRACT: Many alloys used for the production of thermocouples have a Ni
base and, therefore, their thermoelectric properties are of considerable interest.
Ni-alloys with Al, Be, Co, Cr, Cu, Fe, Ge, Mg, Mn, Mo, Nb, Re, Si, Ta, Ti

L 23646-65
ACCESSION NR: AT4045671

⁴
V²⁷, W²⁷ and Zr were tested. Specimens consisted of 300 g ingots having a diameter of 18 mm. An argon induction furnace was used and a magnesite crucible. Ingots with a low content of additives were cold-rolled into 5.3 mm rods and cold-roll specimens with a high content of the second component were subjected to intermediate quenching from 1200C. The rods were annealed for two hours at 1000C and the thermoelectromotive force measured within a temperature range of 0 to 1200C. Most tested elements enhanced the thermoelectromotive force of Ni and 15 to 17% Mo, 6.5% Co and 19 to 20% W had a conspicuous effect. Elevated temperature accelerated the effect and low temperature slowed it down considerably. The only exceptions were Al, Be and Cu; these elements lowered the thermoelectromotive force. Many systems displayed an extremum in solid solutions with Cr, Co, Al, Si, Co, etc. Orig. art. has: 36 figures and 3 tables

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
obrabotki tsvetnykh metallov, Moscow (State Scientific Research
and Planning Institute for the Processing of Nonferrous Metals)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, EM

NR REF SOV: 008

OTHER: 009

Card 2/2

L 23648-65 EMT(m)/EWA(d)/EWP(t)/EWP(b) Pad IJP(c) MJW/JD/HW/WB
ACCESSION NR: AT4045673 S/2680/64/000/022/0101/0114

AUTHOR: Nuzhnov, A. G. (Deceased), Pokrovskaya, O.-N.; Puchkov, B. I.; Rogel'berg, I. L.; Tarasova, T. F.

TITLE: Investigation of Alumel and Chromel alloys with cobalt additions

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov. Trudy*, no. 22, 1984. Issledovaniye splavov dlya termopar (Studying alloys for thermocouples), 101-114

TOPIC TAGS: Chromel, Alumel, Co, Mn, Ni, Cr, oxidation resistance, thermal emf

ABSTRACT: The decline of the production of Chromel and Alumel couples in recent years initiated an investigation of the thermoelectromotive properties of these alloys with Co additions. The stability, oxidation rate and changes in the thermoelectromotive force under the effect of oxidation were observed in Ni(N-1), Cr(KhO), Si(KrI), Al(A00) and Mn(MrI) alloy wire rods having a diameter of 3.2 mm. Co additions were found to lower the thermoelectromotive force of Chromel and Alumel, their thermoelectric properties becoming more linear and approximating the norms set by State Standards (GOST) 1790-63. (see figs. 1 &

Card 1/6

L 23848-65

ACCESSION NR: AT4045673

2 of enclosure). Therefore, Co is a suitable regulator of the thermoelectric properties of both alloys. Oxidation resistance of Chromel and its working properties were substantially improved and those of Alumel to a lesser extent by Co additions. All specimens were endowed with improved stability and the thermoelectromotive force of couples approximated the norms set by State Standards 3044-61. Orig. art. has: 7 figures and 3 tables

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut obrabotki tsvetnykh metallov, Moscow (State Scientific Research and Planning Institute for the Processing of Nonferrous Metals)

SUBMITTED: 00

ENCL: 04

SUB CODE: MM, EM

NR REF SOV: 005

OTHER: 001

Card 2/6

L 23848-65
ACCESSION NR: AT4045673

ENCLOSURE: 01

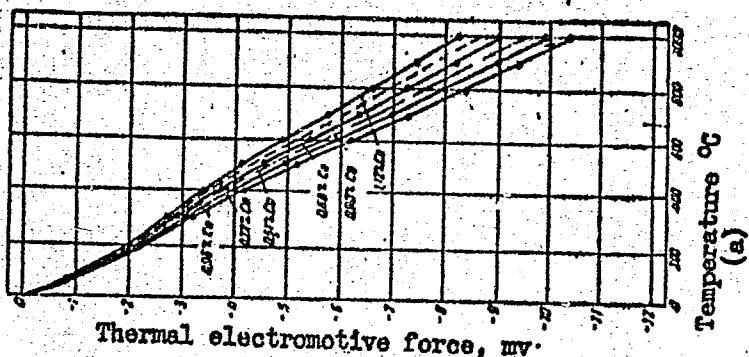
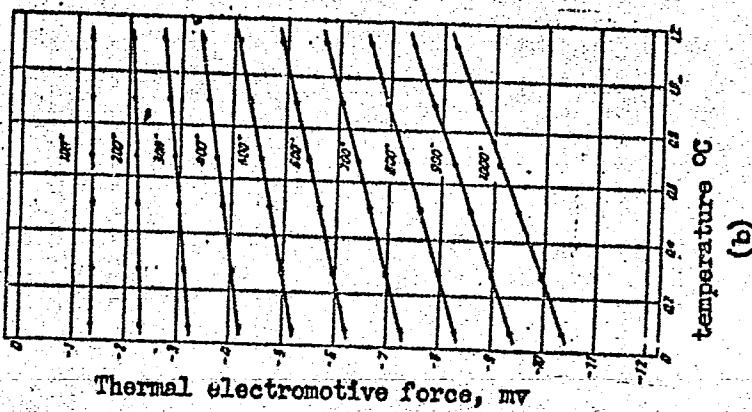


fig. 1

Card 3/8

L 23848-65
ACCESSION NR: AT4045673

ENCLOSURE: 02



Thermal electromotive force, mv

fig. 1(cont.)

The effect of Co additions on the thermoelectromotive force of Alumel
(a) concentration curves; (b) isotherm

Card 4/6

L 23846-65
ACCESSION NR: AT4045873

ENCLOSURE: 03

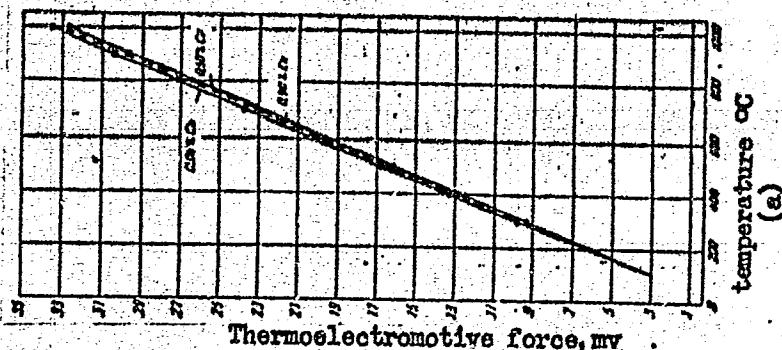


fig. 2

Card 5/6

L 23848-65

ACCESSION NR. AT4045673

ENCLOSURE, 04

O

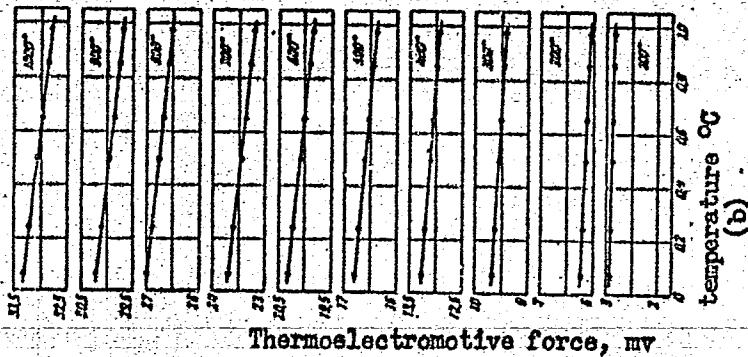


fig. 2 (cont.)

The effect of Co additions on the thermoelectromotive force of Chromel
Card 6/6 (a) concentration curve; (b) isotherm

L 23849-55 EMT(1)/EMO(k)/EMT(m)/EWA(d)/EPR/EWP(t)/EEC(b)-2/EWP(b) Pz-6/Ps-4
ACCESSION NR: AT4045675 IJP(c) MJW/JD/S/2680/64/000/022/0129/0142 39

AT

36

37

AUTHOR: Nuzhnov, A. G. (Deceased), Pokrovskaya, O. N., Puchkov, B. I.; Bry

Regel'berg, I. L., Tarasova, T. F.

TITLE: Investigation of the effect of the composition of an "CA" alloy on the thermoelectromotive force

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov. Trudy*, no. 22, 1964. Issledovaniya splavov dlya termopar (Studying alloys for thermocouples), 129-142

TOPIC TAGS: aluminum, silicon, manganese, thermoelectromotive force

27 27 27

ABSTRACT: The effect of Si, Al and Mn on the thermoelectromotive force of the Alumel-type alloy "CA" was investigated. Unlike Alumel, the Al contents in the "CA" alloy is higher (up to 3.5%) and the Mn contents lower (less than 2%). All tests were conducted within a 100 to 1000°C temperature range. All three components lowered the thermoelectromotive force of the tested alloy. The effect of Mn was found to be independent of the concentration of the two other components.

Card 1/2

L 23849-65

ACCESSION NR: AT4045675

An efficient adjustment of the electromotive force calls for the maintenance of an invariable Mn level of 1.4% during the melting of the alloy while Al and Si are added. The electromotive force rose sharply above 12 mv when Mn quantities were higher and the Si and Al contents was 1.1% and 3.3% respectively. As a rule, the Al contents in that alloy exceeds 2.8% and increasing concentrations lower the thermoelectromotive force. The lowering effect of Si is more appreciable within the 400 to 1000°C range when the alloy has a high Al content. The effect of the composition on the thermoelectromotive force may serve as a basis for the production process of "CA" alloys. Orig. art. has: 12 figures and 2 tables

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
obrabotki tsvetnykh metallov, Moscow (State Scientific Research and Planning
Institute for the Processing of Nonferrous Metals)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, EM

NR REF Sov: 004

OTHER: 000

Card 2/2

L 32262-65 EPF(n)-2/EPR/EPA(s)-2/EWT(m)/EPA(bb)-2/EWP(b)/EWA(d)/EWP(t) Ps-4/
Pt-10/Pu-4/Pad IJP(c) HH/JD/HW/JG/WB S/2680/64/000/022/0062/0071
ACCESSION NR: AT4045672

AUTHOR: Nuzhnov, A.G. (Deceased); Pokrovskaya, G.N.; Puchkov, B.I.; Rogel'berg, I.L.; Tarasova, T.V.

TITLE: Thermoelectromotive force of binary solid solutions on a cobalt base

SOURCE: Moscow. Gosudarstvenny*y nauchno-issledovatel'skiy i proyektny*y institut splavov i obrabotki tsvetny*kh metallov. Trudy*, no. 22, 1964. Issledovaniye splavov dlya termopar (Studying alloys for thermocouples), 62-71

TOPIC TAGS: cobalt, aluminum, beryllium, chromium, copper, iron, germanium, manganese, niobium, nickel, silicon, tantalum, titanium, vanadium, tungsten, molybdenum, zirconium, binary solid solution, thermoelectromotive force, cobalt based solution

ABSTRACT: The authors investigate the thermoelectromotive force of Co solid solutions in the quest for alloys that would be suitable for the production of thermocouples. Specimens contained up to 4% Co and Al, 1.5% Be, 25% Cr, 5% Cu,

Card 1/2

L 32262-69

ACCESSION NR: AT4045672

40% Fe, 5% Ge, 40% Mn, 5% Nb, 10% Ni, 20% Re, 5% Si, 10% Ta, 6% Ti, 15% Va,
13% W, 10% Mo and 2% Zr. Testing temperatures varied between 100 and 1200 C.
The changes in the thermoelectromotive force were found to become increasingly
complex as the concentration of the dissolved component was increased and that
accurate observations required the measurement of the thermoelectric properties
in a state of equilibrium.

With heightened concentration of the solid solution, the
thermoelectromotive force was observed to decline. In Co alloys having low
solubility components such as Cu, Zr and Be, the increased concentration of the
alloying element brought about an initial decrease and subsequently a slight in-
crease of the thermoelectromotive force. Only Co-Cr alloys containing over 20%
Cr were found suitable for the positive electrode. These alloys possess a satis-
factory thermoelectromotive force and earlier investigations show them to be
sufficiently oxidation-resistant. (Orig. art. has: 16 figures)

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov
i obrabotki tsvetnykh metallov, Moscow (State Scientific Research and Design Insti-
tute for Alloys and Processing of Nonferrous Metals)

SUBMITTED: 00

NO REF SOV: 000

Card 2/2

ENCL: 00

OTHER: 005

SUB CODE: MM

L 45063-62 EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b) Pad IJP(c) MW/JD/HF

ACCESSION NR: AR5008957 S/0277/65/000/001/0024/0024

SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruktsii i raschet
detalej mashin. Otd. vyp., Abs. 1.48.117

AUTHOR: Nuzhnov, A. G.; Pokrovskaya, G. N.; Puchkov, B. I.; Rogel'berg, I. L.;
Tarasova, T. F.

TITLE: A study of the relationship of the thermoelectromotive force to
composition in NK alloy.

CITED SOURCE: Tr. Gos. n.-i. i proyektn. in-ta splavov i obrabotki tsvetn.
met., vyp. 22, 1964, 115-128

TOPIC TAGS: alloy thermoelectromotive force, alloy composition, thermocouple,
nickel alloy, cobalt alloy, NK alloy

TRANSLATION: NK alloy is designated for the manufacture of the thermoelectrodes
used in thermocouples. The alloy contains 12-20% Co, about 2% Mn and Al, and
about 1% Si; the remainder is Ni. L. Gomozov

SUB CODE: MM ENCL: 00

Card 1/1

L 60216-65 EWT(d)/EWT(1)/EWT(m)/EPF(n)-2/EWA(d)/EWP(v)/EPR/EWP(t)/EWP(k)/EWP(h)/
EWP(b)/EWP(1)/EWA(h) Pz-6/Pf-4/Pc5/Pu-4 IJP(c) JD/AN/JG/AT
ACCESSION NR: AP5019064 UR/0286/65/000/012/0089/0089

AUTHORS: Gil'dengorn, I. S.; Nuzhnov, A. G.; Pigidina, E. M.; Pokrovskaya, G. N.;
Puchkov, B. I.; Rogel'berg, I. D.; Taranova, T. F.

TITLE: Thermocouple, Class 42, No. 172087

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 89

TOPIC TAGS: thermocouple, precious metal, oxidizing medium, nickel, silicon, niobium, cobalt, manganese, carbon, magnesium, zirconium, calcium, lanthanum, cerium, boron, electrode

ABSTRACT: This Author Certificate presents a thermocouple based on precious metals and intended for use in oxidizing media. To increase its longevity at temperatures up to 1300°C, the negative electrode is made of nickel with 2.5-7.0% of silicon and 1.5-5.0% of aluminum, while the positive electrode is made of a nickel alloy with 8-11% of chromium and 2-4% of silicon. Silicon may be fully or completely replaced by niobium. The electrode alloys may also be augmented with (singly or jointly) cobalt and manganese (up to 1%), zirconium (up to 0.2%), carbon and magnesium (up to 0.15%), calcium and lanthanum (up to 0.1%), cerium and boron (up to 0.01%).

Card 1/2

L 60216-65

ACCESSION NR: AP5019064

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
splavov i obrabotki tsvetnykh metallov (State Scientific Research Institute of
Alloys and Nonferrous Metals Treatment)

SUBMITTED: 25Mar64

ENCL: 00

SUB CODE: IE, MM

NO REF Sov: 000

OTHER: 000

80
Card 2/2

TUPIKOV, G.A.; NUZHNOV, P.N.; KAMCHATOV, K.N.

Operation of a hydraulic drive for support equipped with hydraulic control on an emulsion. Ugol' 40 no.1:49-53 Ja
'65. (MIRA 18:4)

1. Podmoskovnyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy ugol'nyy institut (for Tupikov, Nuzhnov).
2. Shakhta No.3 "Kamenetskaya" tresta Donskoyugol' (for Kamchatov).

NUZHNOV, S.V.

Cross section of Sinean deposits of the Uchur-Algoma area
(southeastern Yakutia). Vest.Mosk.un.Ser.biol.,pochv.,geol.,
geog. 11 no.2:165-169 '56. (MIRA 10:10)

1. Kafedra istoricheskoy i regional'noy geologii.
(Yakutia--Geology, Stratigraphic)

NUZHNOV, S.V.; YARMOLYUK, V.A.

Later Pre-Cambrian in the southeastern border of the Russian
Platform. Sov.geol. 2 no.7:21-31 J1 '59. (MIRA 13:1)

1. Dal'ne-Vostochnoye geologicheskoye upravleniye.
(Russian Platform--Geology, Stratigraphic)

KELLER, B.M.; KAZAKOV, G.A.; KRYLOV, I.N.; MUZHNOK, S.V.; SEMIKHATOV, M.A.

New stratigraphic data on the Riphaeus group (upper Proterozoic).
Izv. AN SSSR. Ser. geol. 25 no.12:26-41 D '60. (MIRA 13:11)

1. Geologicheskiy institut AN SSSR, Moskva.
(Ural Mountains—Geology, Stratigraphic)

NUZHNOV, S.V.

Stromatolites from late Cambrian and Cambrian deposits on
eastern slopes of the Aldan shield. Dokl.AN SSSR 132 no.6:
1421-1424 Je '60. (MIRA 13:6)

1. Geologicheskiy institut Akademii nauk SSSR. Predstavлено
академиком Н.С. Шатским.

(Uchur Valley--Algae, Fossil)
(Maya Valley--Algae, Fossil)

NUZHNOV, S.V.

Sinian (Riphean) of the eastern slopes of the Aldan Shield.
Trudy VAGT no.7: 23-37 '61. (MIRA 14:7)
(Aldan Plateau--Geology, Stratigraphic)

MORALEV, V.M.; NUZHNOV, S.V.

Prospects for oil in the late Pre-Cambrian sediments in the
middle Mayya River. Izv. vys. ucheb. zav.; geol. i razv. 4
no.1:20-24 Ja '61. (MIRA 14:7)

1. Aldanskaya ekspeditsiya Vsesoyuznogo aerogeologicheskogo
tresta Ministerstva geologii i okhrany iedr SSSR.
(Mayya Valley—Petroleum geology)

ALEKSEYEV, V.R.; GAVRILOVA, Z.S.; KALIMULIN, S.M.; MORALEV, V.M.;
NUZHINOV, S.V.; SHPAK, N.S.

Problem of the ancient rare metal placers of the eastern
part of the Aldan Plateau. Dokl.AN SSSR 144 no.2:409-411 My
'62. (MIRA 15:5)

1. Aldanskaya ekspeditsiya Vsesoyuznogo aerogeologicheskogo
tresta. Predstavлено академиком Н.М.Страховым.
(Aldan Plateau---Rare earth metals) (Geological time)

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

11-5

Abs Jour : Ref Zhar - Biol., No 9, 1958, 39317

Author : Huzhnova, T.I.

Inst : LS LatvSSR, Institute of Applied Zoology and Phytopathology, Leningrad

Title : The Influence of Micronutrients on the Increase in Yielding Capacity and Salt-Resistance of Tomatoes on Sheltered Ground.

Orig Pub : V sb.: Mikroelementy v rasteniiakh, Riga, AN LatvSSR, 1956, 437-442.

Abstract : Surveys conducted in 1952-1954 by the Institute of Applied zoology and phytopathology (Leningrad) under laboratory and production conditions showed that the following measures increase the growth and development of plants: tomato seeds must be soaked before sowing in salt solutions.

Card 1/2

- 72 -

NUZHNYY, A.M.

Carriage for testing automobile scales. Izm.tekh. no.10:20 0
'61. (MIRA 14:11)
(Scales (Weighing instruments))

KEL'IMAN, A.B.; PETROVA, Yu.I.; MURINOV, N.N.; LERESADA, M.P.

Mixing burner for natural gas. (Gnezdovyy 37 no. 2; 2).

1. Nauchno-issledovatel'skiy i proyektnyy institut metalurgicheskoy promyshlennosti (for Kel'iman, petrova). 2. Proektnyy zavod "Zvezda" (for Murinov, Leresada).

AUTHORS: Milyavskiy, D.P. (Foreman) & Nuzhnyy, V.G. (Chargehand)
(Electrical Shop of the Dneproprosatsal' Works) SOV '94-58-9-25/3)

TITLE: The correct connection of interpoles (O pravil'nosti vkl'yucheniya dopolnitel'nykh polusov)

PERIODICAL: Promyshlennaya Energetika. 1958, No. 9 (USSR) pp 37

ABSTRACT: A brief note describes a method of discovering whether interpoles of a machine have been correctly connected after repair. When the machine cannot be tested under load, reduced voltage is applied with the brushes in the neutral position, then the brushgear is displaced some 20 or 30 degrees and the armature should rotate in the same direction.

Ivanov A (Assistant Chief Engineer of the Dinamo Works, imeni S.M. Kirov)

This note describes the use of a compass needle to determine the polarity of the main and interpoles. The limitations of the method proposed by Milyavskiy and Nuzhnyy are pointed out

1. Electrical equipment--Test methods

Card 1/1

KLYUSHIN, G.V., kand. tekhn. nauk; NAUMENKO, Yu.N.; NUZHNYY, V.G.

Heavy duty operation of the electric drives of cranes in
metallurgical plants. Energ. i elektrotekh. prom. no.2:70-71
Ap-Je '63. (MIRA 16:7)

1. Zaporozhskiy mashinostroitel'nyy institut.
(Metallurgical plants—Electric equipment)
(Electric cranes)

SIRENKO, N.I., inzh.; NUZHNYY , V.G., inzh.

Testing of electric motors with repeated short-term duration operation.
Energetik 12 no.10:22-23 O '64. (MIRA 17:11)

NUZHNYY, V.G.; NAUMENKO, Yu.N.; NOVIKOV, Yu.N.

Electromagnetic brakes are operating with more reliability.
Metallurg 10 no.8:41 Ag '65. (MIRA 18:2)

1. Zavod "Dneproprospetsstal'" i Zaporozhskiy mashinostroitel'nyy
institut.

KLYUSHIN, G.V., kand. tekhn. nauk; INZHENYY, V.G., inzh.

System for controlling braking electromagnets and electrohydraulic
pushers. Elektr. i elektrotekhn. prom. no.4:58-59 O-D '65.
(MIRA 19:1)

GOLIK, A.Z.; RYNDICH, N.A.; NUZHNYY, V.M.; CALAGAN, Yu.

Velocity of ultrasound and the compressibility of alcohol -
acetone - water solutions. Ukr.khim.zhur. 28 no.4:506-510 '62.
(MIRA 15:8)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G.Shevchenko.
(Alcohols) (Acetone) (Ultrasonic waves—Speed)

NUZHNYY, V.M. [Nuzhnyi, V.M.]; SHIMANSKIY, Yu.I. [Shymans'kyi, Yu.I.];
SHUMINA, R.A. [Shumina, R.O.]

Condensation growth of droplets of aqueous solutions of
NaCl in a stationary adjacent vapor - gas phase. Ukr. fiz.
zhur. 10 no. 11:1237-1243 N '65. (MIHA 18:12)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko.
Submitted Dec. 22, 1964.

NUZHNYY, V.M. [Nuzhnyi, V.M.] PARPOLITO, V.P.; SHIMANSKIY, Yu.I.
[Shymans'kyi, IU.I.]

Rate of evaporation of droplets of aqueous solutions of NaCl in
a stationary surrounding vapor - gas phase. [no. 18] (MIRA 18: 12)
no. [REDACTED] N '65.

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko.
Submitted Dec. 22, 1964.

NUZHNYY, V.M.; SHIMANSKIY, Yu.I.

Experimental study of the rate of vaporization of water drops
in a stagnant medium. Koll. zhur. 27 no. 3:417-421 My-Je '65.
(MIRA 18i12)

I. Kiyevskiy gosudarstvennyy universitet. Submitted Dec. 18,
1963.

NUZHNYI, V.M.; SHIMANSKII, Yu.L.; LAVRINOVICH, G.K.

Some aspects of the diffusion theory of the vaporization of
drops of volatile liquids. Koll. zhur. 27 no.4:983-988
Jl-Ag '65. (MIF A 18,12)

I. Kiyevskiy universitet imeni T.G. Shevchenko. Submitted
December 18, 1963.

16.6500

30°59
S/044/61/000/008/037/039
C111/C333

AUTHOR: Nuzhnyy, V. V.

TITLE: A generalized formula for numerical quadratures

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1961, 38,
abstract 8V242. ("Sb. nauchn. tr. Umanskiy s.-kh. in-t",
1960, vyp 12, 453-465) 14

TEXT: The author considers " a method which on one hand renders possible in practice to apply formulas for numerical quadratures without great difficulties, where neither the abscissae nor the coefficients, theoretically obtained, need be modified; on the other hand, the described method is sufficient in order to construct quickly and simply, in case of need, diagrams, with the aid of which one can determine the surface areas of surfaces bounded by empiric curves".

[Abstracter's note: Complete translation.]

Card 1/1

NUZMAN, Ya.I., inzhener.

Eliminate shortcomings in planning static loads. Zhel.dor.transp.
39 no.9:80 S '57. (MIRA 10:10)

1. Machal'nikgruzovoy sluzhby.
(Railroads--Freight--Tables, etc.)

MUZOV, A. Ya.

Precision standards for forgings made of ferrous metals in
mass production of capitalist countries. Avt. prom. 28 no.6:
44 Je '62. (MIRA 16:4)

(Forging—Standards)

LANSKOY, Ye.N.; NUZOV, A.Ya.

Accuracy of adjustment of automatic presses. Kuz.-shtam.proizv. 6
no.1:29-32 Ja '64. (MIRA 17:3)

LANSKOY, Ye.N.; NUZOV, A.Ya.

Automatic photoelectric pyrometer. Kuz.-shtam. proizv. 5
no.10:28-31 0 '63. (MIRA 16:11)

L 53609-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) Pf-4 JD/HW
ACCESSION NR: AP5006722 S/0182/65/000/002/0001/0005
621.984

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TITLE: Temperature in the relatively nondeformable elements of forgings

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 2, 1965, 1-5

TOPIC TAGS: swaging, drop forging, temperature, metal physical property /6

ABSTRACT: Irregular cooling of various forging elements is characteristic of the drop forging process. This cooling effect is greatest in the thin elements of the forgings. The temperature of these elements is important in selecting the force and power requirements of the forging equipment, as well as in determining the work capacity of the dies and the accuracy of the forged parts. In this article a method is proposed for determining the average temperature of the metal in the thin elements of forgings during stamping on equipment which has a closed power system and is based on a crank type power unit. This method takes account of the interaction between various basic factors. An example of calculation is given. It was

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